

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/551,566  
Source: FWP.  
Date Processed by STIC: 2/23/07

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/551,566

CRF Edit Date: 2/23/07  
Edited by: [Signature]

☐ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

☐ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; ☐ page numbers

☐ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

☐ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

☒ Other: Sequence 7 - moved cumulative base total up  
one line

\_\_\_\_\_

\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

DATE: 02/23/2007

PATENT APPLICATION: US/10/551,566

TIME: 15:29:11

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551566.raw

```

3 <110> APPLICANT: AXCAN PHARMA SA
4     INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE
5     MEDICALE (INSERM)
6     SERVIN, Alain
7     CHAUVIERE, Gilles
8     POLTER Marie-Helene
9     LE MOAL Vanessa
11 <120> TITLE OF INVENTION: NEW lactobacillus fermentum STRAIN AND USES THEREOF
13 <130> FILE REFERENCE: D20868
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/551,566
C--> 15 <141> CURRENT FILING DATE: 2005-09-30
15 <160> NUMBER OF SEQ ID NOS: 1
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1500
21 <212> TYPE: DNA
22 <213> ORGANISM: Lactobacillus fermentum
24 <220> FEATURE:
25 <223> OTHER INFORMATION: 16S rDNA
27 <400> SEQUENCE: 1
28 gaacgccggc ggtgtgccta atacatgcaa gtcgaacgcg ttggcccaat tgattgatgg      60
29 tgcttgcacc tgattgattt tggctgcctaa cgagtggcgg acgggtgagt aacacgtagg      120
30 taacctgccc agaagcgggg gacaacattt ggaaacagat gctaataccg cataacaacg      180
31 ttgttcgcat gaacaacgct taaaagatgg cttctcgcta tcacttctgg atggacctgc      240
32 ggtgcattag cttgttgggtg gggtaatggc ctaccaaggc gatgatgcat agccgagttg      300
33 agagactgat cggccacaat gggactgaga cacggcccat actcctacgg gaggcagcag      360
34 tagggaatct tccacaatgg gcgcaagcct gatggagcaa caccgcgtga gtgaagaagg      420
35 gtttcggctc gtaaagctct gttgttaaag aagaacacgt atgagagtaa ctgttcatac      480
36 gttgacggta tttaaccaga aagtcacggc taactacgtg ccagcagccg cggtaataacg      540
37 taggtggcaa gcgttatccg gatttatttg gcgtaaagag agtgcaggcg gttttctaag      600
38 tctgatgtga aagccttcgg cttaaccgga gaagtgcatac ggaaactgga taacttgagt      660
39 gcagaagagg gtagtggaac tccatgtgta gcggtggaat gcgtagatat atggaagaac      720
40 accagtggcg aaggcggcta cctggctctgc aactgacgct gagactcgaa agcatgggta      780
41 gcgaacagga ttagataccc tggtagtcca tgccgtaaac gatgagtgcg aggtgttgga      840
42 gggtttccgc ccttcagtgc cggagctaac gcattaagca ctccgcctgg ggagtacgac      900
43 cgcaaggttg aaactcaaaag gaattgacgg gggcccgcac aagcggtgga gcatgtggtt      960
44 taattcgaag ctacgcgaag aaccttacca ggtcttgaca tcttgcgcca accctagaga      1020
45 tagggcgttt ccttcgggaa cgcaatgaca ggtggtgcata ggtcgtcgtc agctcgtgtc      1080
46 gtgagatggt gggtaagtc cgcgaacgag cgcaaccctt gttactagtt gccagcatta      1140
47 agttgggcac tctagtgaga ctggcggtga caaacccggag gaaggtgggg acgacgtcag      1200
48 atcatcatgc cccttatgac ctgggctaca cacgtgctac aatggacggt acaacgagtc      1260
49 gcgaactcgc gagggcaagc aaatctctta aaaccgttct cagttcggac tgcaggctgc      1320
50 aactcgctg cacgaagtcg gaatcgctag taatcgcgga tcagcatgcc gcggtgaata      1380

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DATE: 02/23/2007

PATENT APPLICATION: US/10/551,566

TIME: 15:29:11

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551566.raw

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51 cgttcccggg ccttgtagac accgcccgtc acaccatgag agtttgtaac acccaaagtc 1440
52 ggtggggtaa ccttttagga gccagccgcc taaggtggga cagatgatta gggatgaagtc 1500
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/551,566

DATE: 02/23/2007

TIME: 15:29:12

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551566.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**



IFWO

## RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,566

TIME: 14:11:25

Input Set: A:\pto.da.txt

Output Set: N:\CRF4\02212007\J551566.raw

3 <110> APPLICANT: AXCAN PHARMA SA  
 4 INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE  
 5 MEDICALE (INSERM)  
 6 SERVIN, Alain  
 7 CHAUVIERE, Gilles  
 8 POLTER Marie-Helene  
 9 LE MOAL Vanessa  
 11 <120> TITLE OF INVENTION: NEW lactobacillus fermentum STRAIN AND USES THEREOF  
 13 <130> FILE REFERENCE: D20868  
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 C--> 15 <141> CURRENT FILING DATE: 2005-09-30  
 15 <160> NUMBER OF SEQ ID NOS: 1  
 17 <170> SOFTWARE: PatentIn version 3.2

## ERRORED SEQUENCES

19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 1500  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Lactobacillus fermentum  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: 16S rDNA  
 27 <400> SEQUENCE: 1  
 28 gaacgccggc ggtgtgccta atacatgcaa gtcgaacgcg ttggcccaat tgattgatgg 60  
 29 tgcttgacc tgattgattt tggtcgccaa cgagtggcgg acgggtgagt aacacgtagg 120  
 30 taacctgccc agaagcgggg gacaacattt ggaaacagat gctaataaccg cataacaacg 180  
 31 ttgttcgcat gaacaacgct taaaagatgg cttctcgcta tcacttctgg atggacctgc 240  
 32 ggtgcattag cttgttggtg gggtaatggc ctaccaaggc gatgatgcat agccgagttg 300  
 33 agagactgat cggccacaat gggactgaga cacggcccat actcctacgg gaggcagcag 360  
 34 tagggaatct tccacaatgg gcgcaagcct gatggagcaa caccgcgtga gtgaagaagg 420  
 35 gtttcggctc gtaaagctct gttgttaaa aagaacacgt atgagagtaa ctgttcatac 480  
 36 gttgacggta ttttaaccaga aagtcacggc taactacgtg ccagcagccg cggttaatac 540  
 37 taggtggcaa gcgttatccg gatttatttg gcgtaaagag agtgcaggcg gttttctaag 600  
 38 tctgatgtga aagccttcgg cttaaccgga gaagtgcac ggaaactgga taacttgagt 660  
 39 gcagaagagg gtagtggaac tccatgtgta gcggtggaat gcgtagatat atggaagaac 720  
 E--> 40 accagtggcg aaggcggcta cctggctcgc aactgacgct gagactcgaa agcatgggta 780  
 E--> 41 780gcgaacagga ttagataccc tggtagtcca tgccgtaaac gatgagtgc aggtgttgga 840  
 42 gggtttccgc ccttcagtgc cggagctaac gcattaagca ctccgcctgg ggagtacgac 900  
 43 cgcaagggtg aaactcaaag gaattgacgg gggcccgcac aagcgggtgga gcatgtggtt 960  
 44 taattcgaag ctacgcgaag aaccttaccg ggtcttgaca tcttgcgcca accctagaga 1020  
 45 tagggcggtt ccttcgggaa cgcaatgaca ggtgggtgcat ggtcgtcgtc agctcgtgct 1080  
 46 gtgagatggt ggggttaagtc ccgcaacgag cgcaaccctt gttactagtt gccagcatta 1140

Does Not Comply  
 Corrected Diskette Needed

see p. 2, 1st

780 move up

## RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,566

TIME: 14:11:25

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02212007\J551566.raw

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48 atcatcatgc cccttatgac ctgggctaca cacgtgctac aatggacggt acaacgagtc 1260
49 gcgaactcgc gagggcaagc aaatctctta aaaccgttct cagttcggac tgcaggctgc 1320
50 aactcgccctg cacgaagtcg gaatcgctag taatcgcgga tcagcatgcc gcggtgaata 1380
51 cgttcccggg ccttgtagac accgcccgct acaccatgag agtttgtaac acccaaagtc 1440
52 ggtggggtaa ccttttagga gccagccgcc taaggtggga cagatgatta ggggtgaagtc 1500
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E--&gt; 54 ??

E--&gt; 56 ??

E--&gt; 58 ??

E--&gt; 60 ??

W--&gt; 62 1



## VERIFICATION SUMMARY

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,566

TIME: 14:11:26

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02212007\J551566.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:40 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:780 SEQ:1  
L:41 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:3  
L:54 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:56 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:56 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:58 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:58 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:60 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:60 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:65 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1